

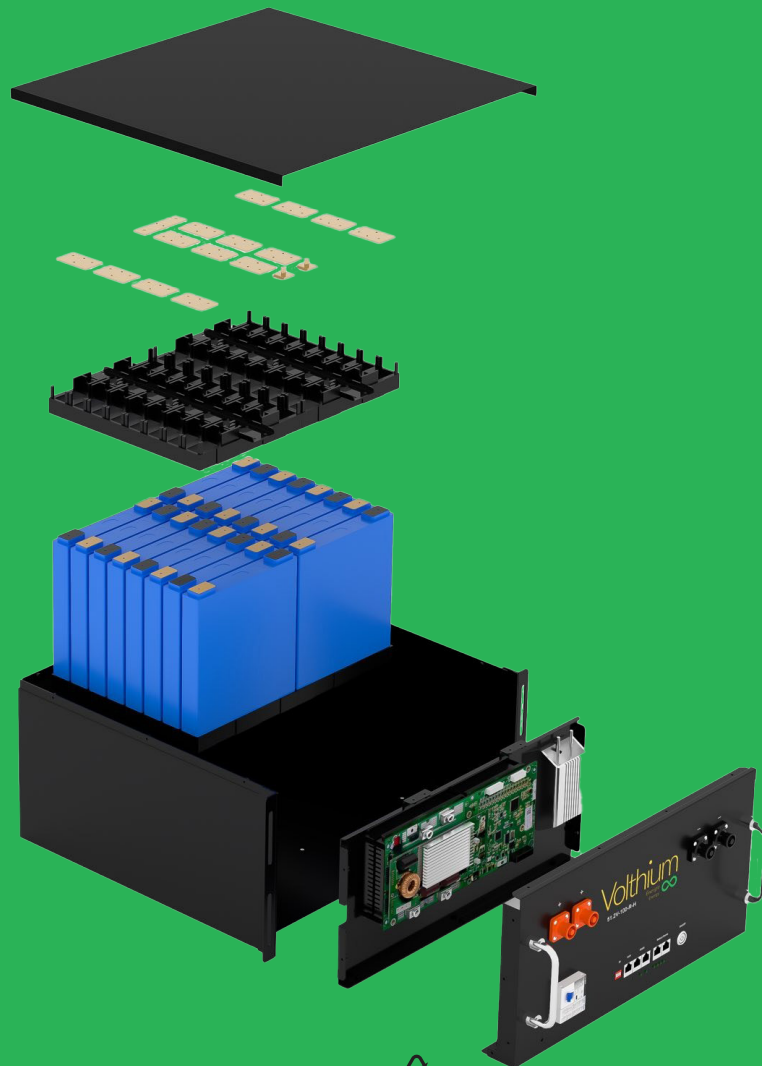
TECHNICAL SHEET

51.2V 100AH

BATTERY RACK MOUNT



Self-Heating (optional \$)



ELECTRICAL SPECIFICATIONS

Voltage	51.2 volt
Capacity	100 Ah
Capacity @ 20A	300 min
Energy	5120 Wh
Auto-discharge	<1% per month
Maximum unit in series	Contact us
Maximum unit in parallel	16 (per bank)

CHARGE SPECIFICATIONS

Recommended Charge Current	50 A
Maximum Charge Current	100 A
Recommended Charge Voltage	56 V (Bulk) 54.4 V (Float)

DISCHARGE SPECIFICATIONS

Continuous discharge current	125 A
BMS - Discharge disconnect voltage	43.2 V
BMS - Discharge reconnection voltage	12 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge temperature	From -20 to 65°C
Charging temperature	From 0 to 45°C

STORAGE SPECIFICATIONS

Storage temperature	From -20 to 45°C
Storage voltage	From 52.4V to 53.6V

COMMUNICATIONS SPECIFICATIONS

Bluetooth	No
Communication ports	2x RS485 2x Batt. Com. 1x CAN
LCD screen	No
Volthium CAN Hub Communication (VE.CAN)	Compatible

HEATING SPECIFICATIONS (OPTIONAL)

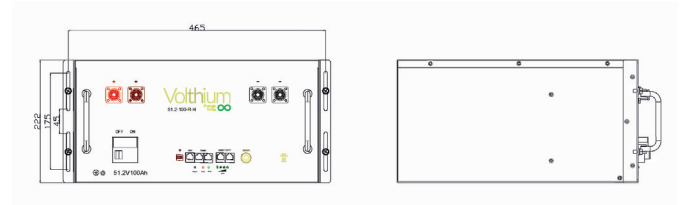
Activation temperature	From -35 to 0 °C
Activation current	8 A
Heating current	5.5 A
System activation mode	Automatic + Manual (Dual)

NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE

30% discharge	8200 < cycles
80% discharge	6000 < cycles
100% discharge	3500 < cycles

MECHANICAL SPECIFICATIONS

Dimensions	465 X 435 X 222 mm 18.3 X 17.13 X 8.74 po
Group / format	5U
Weight	47kg / 104 lbs
Terminal Type	Amphenol Surlok (SLPIRB35CPSO0)
Tightening torque on terminals	8~10nm / 6-8 ft/lb



CERTIFICATIONS & DESIGN

Design	16S1P
Certifications	Full Pack Assembly CSA 3rd UL1973 Cells UL1973 & CSA UL9540A IEC62619 IEC62660 Breaker UL1077 @ CSA C22.2 No. 235-04 Terminal UL1977
Shipping Classification	UN 3480 CLASS 9
Cell type	SquareCell - LiFePO4

